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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/665,165	09/18/2003	J. Young J. Paik	007734 6290 FPS/MMCS/APC/DV		
Patent Councel	7590 09/07/2007 MS/2061	EXAMINER			
Patent Counsel, MS/2061 Legal Affairs Department			MACARTHUR, SYLVIA		
Applied Materi P.O. Box 450A		ART UNIT	PAPER NUMBER		
Santa Clara, C.		1763			
			MAIL DATE	DELIVERY MODE	
		09/07/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Ар	Application No.		Applicant(s)		
Office Action Summary		10	/665,165	PA	AIK, J. YOUNG	J.	
		Ex	aminer	Aı	t Unit		
		Syl	via R. MacArthur	17	63		
The MAILI Period for Reply	NG DATE of this commun	cation appears	on the cover sheet	with the corre	espondence ad	Idress	
A SHORTENED S WHICHEVER IS - Extensions of time ma after SIX (6) MONTHS - If NO period for reply it - Failure to reply within Any reply received by	STATUTORY PERIOD FOLLONGER, FROM THE M by be available under the provisions of from the mailing date of this comm s specified above, the maximum stathe set or extended period for reply the Office later than three months a justment. See 37 CFR 1.704(b).	AILING DATE of 37 CFR 1.136(a). unication. tutory period will app will, by statute, caus	OF THIS COMMUI In no event, however, may by and will expire SIX (6) No the application to become	NICATION. y a reply be timely for the reply from the reply ABANDONED (3)	iled nailing date of this co 5 U.S.C. § 133).		
Status							
2a) This action 3) Since this a	e to communication(s) file is FINAL. application is in condition accordance with the praction	2b)⊠ This acti for allowance ∈	on is non-final. except for formal m			e merits is	
Disposition of Claim	ıs						
4a) Of the a 5) Claim(s) 6) Claim(s) 7) Claim(s)	30 is/are pending in the a bove claim(s) is/are is/are allowed is/are rejected is/are objected to. 30 are subject to restriction	e withdrawn fr					
Application Papers							
10) The drawing Applicant ma	ation is objected to by the plant of the pla	r 2003 is/are: ction to the draw the correction is	ng(s) be held in abey required if the drawi	yance. See 37 ing(s) is objecte	CFR 1.85(a). ed to. See 37 Cf	FR 1.121(d).	
Priority under 35 U.S	S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
	on's Patent Drawing Review (P ire Statement(s) (PTO/SB/08)	ТО-948)	Paper N	w Summary (PTo lo(s)/Mail Date. of Informal Paten	·		

Application/Control Number: 10/665,165

Art Unit: 1763

DETAILED ACTION

Election/Restrictions

DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-9, drawn to a method of computer implemented method classified in class 451 subclass 5.
 - II. Claims 10-22, drawn to a method of controlling the characteristic of a wafer, classified in class 216, subclass 84.
 - III. Claims 23-30, drawn to an apparatus for polishing a wafer, classified in class 156, subclass 345.113.

The inventions are distinct, each from the other because of the following reasons:

2. Inventions I and II are directed to related to method of modelling CMP. The related inventions are distinct if the (1) the inventions as claimed are either not capable of use together or can have a materially different design, mode of operation, function, or effect; (2) the inventions do not overlap in scope, i.e., are mutually exclusive; and (3) the inventions as claimed are not obvious variants. See MPEP § 806.05(j). In the instant case, the inventions as claimed have a materially different mode of operation one relying on a computer (invention 1) and invention can be a process operator (human with experience, skill and knowledge to predict). Furthermore, the inventions as claimed do not encompass overlapping subject matter and there is nothing of record to show them to be obvious variants.

Application/Control Number: 10/665,165

Art Unit: 1763

- Inventions I /II and III are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another and materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case, the apparatus could have performed the process on a materially different substrate one that is not a wafer such as a glass rod and one without first and second dielectric layers.
- Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the inventions have acquired a separate status in the art in view of their different classification, restriction for examination purposes as indicated is proper.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sylvia R. MacArthur whose telephone number is 571-272-1438. The examiner can normally be reached on M-Th during the hours of 8 a.m. and 4:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Parviz Hassanzadeh can be reached on 571-272-1435. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/665,165

Art Unit: 1763

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Sylvia R MacArthur Primary Examiner Art Unit 1763

September 4,2007